

WHAT IS CLAIMED IS:

1 (1.) An apparatus for mounting a plurality of antennas on a
2 utility pole, said apparatus for mounting comprising:

3 a plurality of brackets capable of encircling said
4 utility pole and supporting said plurality of antennas, each of
5 said plurality of brackets comprising:

6 at least one support arm capable of attaching to a
 first selected one of said plurality of antennas; and

a faceplate capable of engaging a surface of said
 utility pole; and

1 a plurality of tightening means, each of said tightening
1 means connecting a first selected one of said plurality of brackets
1 and a second selected one of said plurality of brackets, wherein
1 said plurality of tightening means are capable of drawing said
1 plurality of brackets encircling said utility pole closer together,
15 such that said faceplate of said each of said plurality of brackets
16 is pressed more firmly against said surface of said utility pole.

1 2. The apparatus for mounting set forth in Claim 1 wherein
2 said plurality of brackets comprise three brackets.

1 3. The apparatus for mounting set forth in Claim 1 wherein
2 said plurality of brackets comprise four brackets.

1 4. The apparatus for mounting set forth in Claim 1 wherein
2 at least a portion of a surface of said faceplate capable of
3 engaging said surface of said utility pole is covered by a layer of
4 rubber.

5. The apparatus for mounting set forth in Claim 1 wherein
at least a portion of a surface of said faceplate capable of
engaging said surface of said utility pole is covered by ridges.

6. The apparatus for mounting set forth in Claim 1 wherein
at least a portion of a surface of said faceplate capable of
engaging said surface of said utility pole is covered by sharp
points.

1 7. The apparatus for mounting set forth in Claim 1 wherein
2 at least a portion of a surface of said faceplate capable of
3 engaging said surface of said utility pole has a rough texture
4 capable of increasing friction with said surface of said utility
5 pole.

8. The apparatus for mounting set forth in Claim 1 wherein
said each of said plurality of brackets comprises a first support
arm and a second support arm, wherein said first support arm is
capable of attaching to one side of said first selected antenna and
said second support arm is capable of attaching to an opposing side
of said first selected antenna.

9. The apparatus for mounting set forth in Claim 1 wherein
said plurality of tightening means comprise a plurality of bolts.

10. The apparatus for mounting set forth in Claim 1 wherein
said first selected antenna is adjustably attached to said at least
one support arm, such that said first selected antenna may be
tilted with respect to the horizon in a plurality of positions.

1 (11.) An antenna mounting system for mounting a plurality of
2 antennas on a utility pole, said antenna mounting system
3 comprising:

4 at least three upper brackets capable of encircling said
5 utility pole and supporting said plurality of antennas, at least
6 one of said at least three upper brackets comprising at least one
7 upper support arm capable of attaching to an upper portion of a
first selected one of said plurality of antennas and a first
faceplate capable of engaging a surface of said utility pole; and

1 at least three lower brackets capable of encircling said
1 utility pole and supporting said plurality of antennas, at least
1 one of said three lower brackets comprising at least one lower
1 support arm capable of attaching to a lower portion of a second
1 selected one of said plurality of antennas and a second faceplate
1 capable of engaging said surface of said utility pole; and

1 a plurality of tightening means, a first tightening means
17 connecting a first of said at least three upper brackets and a
18 second of said at least three upper brackets and a second
19 tightening means connecting a first of said at least three lower
20 brackets and a second of said at least three lower brackets,
21 wherein said first and second tightening means are capable of
22 drawing said at least three upper brackets and said at least three

1 lower bracket, respectively, closer together, such that said
2 faceplate of said each of said at least three upper brackets and
3 said faceplate of said each of said at least three lower brackets
4 are pressed more firmly against said surface of said utility pole.

1 12. The antenna mounting system set forth in Claim 11 wherein
2 said at least three upper brackets comprise four brackets.

13. The antenna mounting system set forth in Claim 11 wherein
said at least three lower brackets comprise four brackets.

14. The antenna mounting system set forth in Claim 11 wherein
at least a portion of a surface of said first faceplate and at
least a portion of a surface of said second faceplate are covered
by a layer of rubber.

1 15. The antenna mounting system set forth in Claim 11 wherein
2 at least a portion of a surface of said first faceplate and at
3 least a portion of a surface of said second faceplate are covered
4 by ridges.

1 16. The antenna mounting system set forth in Claim 11 wherein
2 at least a portion of a surface of said first faceplate and at
3 least a portion of a surface of said second faceplate are covered
4 by sharp points.

1 17. The antenna mounting system set forth in Claim 11 wherein
2 at least a portion of a surface of said first faceplate and at
3 least a portion of a surface of said second faceplate have rough
4 textures capable of increasing friction with said surface of said
5 utility pole.

1 18. The antenna mounting system set forth in Claim 11 wherein
2 each of said at least three upper brackets comprises a first upper
3 support arm and a second upper support arm, wherein said first
4 upper support arm is capable of attaching to one side of said upper
5 portion of said first selected antenna and said second upper
6 support arm is capable of attaching to an opposing side of said
7 upper portion of said first selected antenna.

1 19. The antenna mounting system set forth in Claim 11 wherein
2 each of said at least three lower brackets comprises a first lower
3 support arm and a second lower support arm, wherein said first
4 lower support arm is capable of attaching to one side of said lower
5 portion of said second selected antenna and said second lower
6 support arm is capable of attaching to an opposing side of said
7 lower portion of said second selected antenna.

See p 2
20. The antenna mounting system set forth in Claim 11 wherein
said first and second selected antennas are adjustably attached to
said at least one upper support arm and said at least one lower
support arm, respectively, such that said first and second selected
antennas may be tilted with respect to the horizon in a plurality
of positions.